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subject by a camera but also good visibility in viewing a laterally wide image displayed on a screen of the display portion.

In the above embodiment, a cellular phone is described as an example of a portable terminal, but the hinge for portable terminal according to the present invention is also usable as it is as a hinge for a PHS, a personal digital assistance (PDA), and the like other than the cellular phone.

The opening/closing hinge part 4 may be structured such that the opening/closing member 16 itself is rotatable and is coupled to the mounting portion side of the second casing 2, and the cam floor 19 side is locked by the rotary member 7 side.

Further, the rotary hinge part 3 may of course have the similar structure as that of the opening/closing hinge part 4, and the opening/closing member 16 of the opening/closing hinge part 4 may be a second hinge pin, instead of the hinge cylinder, on which the second cam mechanism is made to act.

As has been detailed hitherto, with the rotary hinge part and the opening/closing hinge part that are integrated to have a compact structure, the first casing having the keyboard portion thereon and the second casing having the display portion thereon of the portable terminal are not only foldable via the opening/closing hinge part with the keyboard portion and the display portion facing each other when not in use but also openable/closable. In addition, when they are opened for use, the second casing having the display portion is turned relative to the first casing via the rotary hinge part in a perpendicular direction to the opening/closing direction when necessary. This allows the use of the display portion both in a vertically long state and in a laterally long state.

What is claimed is:

1. A hinge for portable terminal coupling a first casing on which a keyboard portion is provided and a second casing on which a display portion is provided to each other, comprising:

a rotary hinge part to which the first casing is coupled to be turnable relative to the second casing in a horizontally direction; and

an opening/closing hinge part to which the second casing is coupled to be openable/closable relative to the first casing in a vertical direction;

wherein said rotary hinge part composed of a fixed member having a pivotally supporting cylinder and a mounting base which is attached to the upper face of the first casing, a hinge shaft inserted through the pivotally supporting cylinder in an axial direction, and a rotary member attached to the hinge shaft with a turn thereof being controlled via a first cam mechanism; wherein said opening/closing hinge part is provided in said rotary member and has an opening/closing mem-

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ber which is rotatably mounted with a rotation thereof being controlled, to be in a perpendicular direction to a direction of the turn of said rotary hinge part via a second cam mechanism and to which an end portion of the second casing is coupled;

wherein said first cam mechanism includes a first cam portion provided at an upper end of said rotary supporting cylinder, a second cam portion provided at a position facing said first cam portion on a lower face of said rotary member, and a resilient means for bringing said second cam portion into pressure contact with said first cam portion, said resilient means being resiliently provided between a flange portion of the hinge shaft and the pivotally supporting cylinder.

2. The hinge for portable terminal according to claim 1, wherein at least one of said first cam mechanism and said second cam mechanism has an absorbing function, the absorbing function of said first cam mechanism being a function of automatically turning said rotary member from a predetermined turn angle, and the absorbing function of said second cam mechanism being a function of automatically opening/closing said opening/closing member from a predetermined opening/closing angle.

3. The hinge for portable terminal according to claim 1, wherein said rotary hinge part is allowed to operate from an instant when said opening/closing hinge part is opened to a predetermined angle.

4. The hinge for portable terminal according to claim 1, wherein said opening/closing member is a hinge cylinder.

5. The hinge for portable terminal according to claim 3, further comprising a means for allowing said rotary hinge part to operate from the instant when said opening/closing hinge part is opened to the predetermined angle, the means being provided between said opening/closing member of said opening/closing hinge part and said fixed member of said rotary hinge part.

6. The hinge for portable terminal according to claim 1, wherein each of said first cam mechanism and said second cam mechanism is constituted of a cam and a cam floor in which cam portions are formed on respective facing surfaces thereof, one of the cam portions being in pressure contact with the other cam portion.

7. The hinge for portable terminal according to claim 1, wherein said first cam and said second cam each having protruding portions and recessed portions so that when said each protruding portions abut against each other, said hinge shaft slightly lifted up with the rotary member against the resilient means.

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